

GOVERNMENT OF TELANGANA
ABSTRACT

Telangana State – Construction of Cement Concrete Roads without drains under MGNREGS in convergence with Gram Panchayat or any other funds – Guidelines – Issued.

PANCHAYAT RAJ & RURAL DEVELOPMENT (PROGS.I) DEPARTMENT

G.O.Rt.No.761

Dated: 08-12-2017.
Read the following:

1. MGNREGA Act, 2005 (Central Act No. 42 of 2005).
2. Gazette No. 19, Dated: 3.1.2014, Govt. of India.
3. G.O.Rt.No. 21, PR&RD (Progs.I) Dept. dated: 10.1.2017.
4. G.O.Rt.No. 63, PR&RD (Progs.I) Dept. dated: 27.1.2017.
5. Govt. Memo No. 6492/Progs.I/2017-1, dt: 2.8.2017.
6. From the Commissioner, Rural Development, Lr. No. 4302/EGS /AEE/PE/2017, dt: 20.11.2017.

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ORDER:-

In the reference 6th read above, the Commissioner, Rural Development, Hyderabad has submitted the proposals along with guidelines for Construction of Cement Concrete Roads without drains in rural areas under MGNREGS in convergence with GP funds or any other funds such as CDP/MPLAD funds etc. and requested to issue orders in the matter.

2. Government after careful examination of the proposal submitted by the Director, Rural Development, hereby consider and issue the following guidelines for Construction of Cement Concrete Roads without drains in rural areas under MGNREGS in convergence with Gram Panchayat funds.

Guidelines:

Laying of Internal Cement Concrete Roads shall be taken up under the project "Pucca Internal Roads within a village with convergence funds" subject to maintain the wage material ratio as per MGNREG Act, 2005 at District level.

- I. Priority shall be given to SC/ST localities.
- II. 10% of the cost of the work to be borne by the Gram Panchayat fund or any other available funds such as CDP/MPLAD etc.,
- III. First Priority shall be given to the villages where the wage component generation is higher.
- IV. The Implementing agency for these works is PR Engineering Department/Tribal Welfare Engineering Department.
- V. The total cost of Rs. 750.00 Crs are allocated to take up CC Roads from MGNREGS for the year 2017-18. These works shall be completed before 31.3.2018.
- VI. The District Collector & DPC, MGNREGS shall constitute a committee with District Panchayat Raj Engineer (DPRE) of PR Dept., as Member Convener.
- VII. The committee shall finalize the list of works to be taken up in convergence with MGNREGS.
- VIII. The District Collectors have to send the proposals to the Commissioner, Rural Development and approval will be given by the Government and administrative sanction will be given by the District Programme Coordinator, MGNREGS.

- IX. 10% of the estimated cost of each work provided as matching from CDP/MPLADs/SDF/GPF/MPP/ZPP etc., will be paid to the concerned Gram Panchayat by online transfer by the concerned District Panchayat Raj Engineer /Executive Engineers without insisting for separate agreement towards 10% share under convergence fund.
- X. The District Collectors will pool and remit 10% component from MPLADs and CDP grants to the account of DPRE/EE.
- XI. The Chief Executive Officer will pool and remit 10% component from ZP and MPP General Funds to the Account of DPRE/EE.
- XII. The District Panchayat Officer will pool and remit 10% component from GP and MPP general Funds to the Account of DPRE/EE.
- XIII. Statutory deductions will be deducted as per the rules in vogue for the respective funds and to be sent to the concerned.
- XIV. The Engineer-in-Chief, PR Department, is requested to give suitable technical specification for CC pavements with the road width not exceeding 3.00 mts,
- XV. For identification and finalization of these works, a committee has to be formed at District level.

a) District Level Committee: For proper implementation of the Project, a District level MGNREGS Convergence Committee shall be constituted with the District Collector/ District Programme Coordinator (DPC), MGNREGS as Chairman of the Committee with the following members. The Committee shall be responsible for finalizing the list of works for sanction and monitoring the progress of works from time to time.

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| i. District Collector / District Programme Coordinator, MGNREGS | - Chairman |
| ii. District Panchayat Raj Engineer(DPRE), PRED | - Member Convener |
| iii. Chief Executive Officer(CEO), ZP | - Member |
| iv. District Rural Development Officer(DRDO), DRDA | - Member |
| v. District Panchayat Officer (DPO) | - Member |
| vi. District Tribal Welfare Officer(DTWO) | - Member |

b) Responsibilities of Committee Members:

I. District Rural Development Officer (DRDO), DRDA:

The District Rural Development Officer shall assess the availability of material component at GP level and District level based on the actual wage expenditure and approved labour budget under MGNREGS.

II. District Panchayat Officer:

- i. The DPO shall assess the availability of local funds for convergence with MGNREGS.
- ii. He shall ensure the GP resolutions as per guidelines of MGNREGA.

III. Chief Executive Officer, ZP:

The Chief Executive Officer shall ensure proper flow of convergence funds at Mandal and Zilla Parishad level.

IV. District Panchayat Raj Engineer (DPRE):

- i. The DPRE, PRED shall convene the District level MGNREGS Convergence Committee meeting.

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- ii. Ensure the identification of material suppliers for all materials except cement as per MGNREGS Procurement guidelines in vogue.
- iii. Based on the availability of material component at GP level/ District Level and on the recommendation of the Gram Panchayat, the DPRE, PRED shall prepare action plan for taking up the above works after ensuring technical feasibility and place it before the committee for finalizing the proposals.
- iv. The Estimates shall be prepared by PRED. Payments upto a maximum of 90% shall be made from MGNREGS funds through eFMS and balance payment of not less than 10% shall be made from convergence funds through eFMS or Cheque and both put together not more than estimated cost. 90% of total recorded amount will be released on uploading of FTO, remaining 10% after QC inspection and Social Audit. Accordingly suitable modifications will be made in software to tap funds from two grants.

V. District Programme Coordinator, MGNREGS/District Collector & Chairman:

The District Collector & DPC shall finalize the proposals for the works under the project **"Pucca Internal Roads within a village under convergence funds"** based on the recommendation of the District Level MGNREGS Convergence Committee duly following MGNREGS guidelines.

VI. District Tribal Welfare Officer (DTWO) :

The District Tribal Welfare Officer (DTWO) shall ensure inclusion of eligible Tribal habitations in the proposals and also proper implementation of the project.

c) Implementation and Technical aspects :

- i. Internal village/habitation roads are subjected to very less traffic intensity (0 to 50 cvpd) and are executed by semiskilled agencies like GPs/VLCs etc., which are having minimal technical knowledge. It is therefore not appropriate to consider IRC SP 62-2014 for fixing grade of cement concrete. And it is accepted to adopt a nominal mix VCC (1:2:4) equivalent to M20 grade as per IS 456-2000 with 330 Kgs of cement per cubic meter for internal CC roads. Proper curing for 28 days shall be ensured to gain required strength.
- ii. A minimum thickness of pavement of 150mm shall be adopted for internal CC roads as per clause 4.6 of IRC Sp:62-2014. However any village main road which is a part of main link/ through habitations connecting road or any internal road which is likely to be subjected to high traffic in view of local development parameters, the thickness of CC pavement shall be as per design (as per IRC:- Sp:62-2014) adopting M30 design mix concrete.
- iii. Joint spacing shall be limited to 2.50 m or 3.25 m depending on carriage way width for internal CC roads.
- iv. Sub-grade and sub-base: generally sub-grade soil of existing old internal road in the villages will be of well compacted soil. Depending on nature of sub-grade soil and degree of compaction of sub-grade, Granular Sub Base (GSB) of thickness 100 to 150 mm shall be provided. Wherever GSB of required thickness and compaction is already existing further laying of GSB is not required. Sub-base shall be prepared and provided in such a way that concrete slabs are supported uniformly as load carrying capacity of CC roads lies mainly on the structural rigidity of CC pavements and uniformity of sub-grade support.
- v. It is exceedingly difficult and costly to alter concrete once placed. Hence both technical and organizational quality assurance measures shall be ensured. For all CC road works, cubes shall be casted during execution and tested. Test results shall fall within specified permission limits for VCC(1:2:4) equivalent to

M20 grade. If the average compressive strength of the concrete is less than 85% of M20 grade the work has to be rejected.

- vi. In case of doubt regarding the grade of concrete used either due to poor workmanship or based on results of cube strength tests, core test shall be conducted. Core test shall be considered acceptable if the average equivalent cube strength of the cores is equal to at least 85% of the cube strength of the M20 grade of concrete specified for corresponding age and no individual core has strength less than 75%. If the core strength falls below these limits the work has to be rejected and the cost to be recovered from the GP/ VLCs duly initiating action against the officers responsible. The charges for core tests may be met from 0.5% QC charges provision made in the estimate.
- vii. The SE/EE have to ensure to check measure the works as per instructions issued vide Govt. Memo No: 42243/ Estt(1)/ 99-2, dated: 09-02-2000. The works shall also be inspected by department V & QC wing before making final payments.
- viii. To avoid damage to CC roads in view of ongoing program of laying of water supply pipe lines under Mission Bhagiradha, ducts/ conduits with RCC NP2 class pipes of required diameter shall be provided at road junctions and road crossings in consultation with RWS & S Department and Gram Panchayat. For accommodating intra village and main water pipe lines and to facilitate individual house connections without cutting CC roads, the conduits of required diameter ranging from 200 to 450 mm as appropriate may be provided at required locations as per the approved pipe line layout, before laying of CC road. For laying house connection pipe line 200mm dia conduits at spacing of 15m interval is compulsory. Sufficient cushion on NP2 RCC conduits ranging depth from 450 mm to 600 mm may be provided to prevent damage to the conduits. Where ever high traffic is expected 100 mm thick (1:4:8) CC may also be laid over the pipe for uniform distribution of pressure. Similarly where ever cross drainage works are required same shall also be provided before execution of CC roads.
- ix. In exceptional cases where cutting of CC road for laying pipe line is inevitable prior permission of PR department shall be obtained. The road cutting shall be got done with Jack hammer. Heavy machinery like JCB which damages road surface substantially should not be used. Further the CC road shall be brought back to its original condition on their own cost by the agency which has cut the road to the satisfaction of PR Engineer-in-Charge.
- x. Carriage way of internal CC roads may vary between 2.5m and above depending on availability of right of way and importance of road. To facilitate laying of water pipe lines and construction of side drains, minimum berm width of 0.60m shall be left as shoulders on either side of the CC road. If the lane width is very less, side berm/ shoulder of 0.60m wide shall be left at least on one side without fail, for laying water pipe line and to avoid breakage of CC roads. Side berms shall be well compacted after laying pipe lines and suitable plantation may also be taken up for environmental protection where ever space is available.
- xi. At expansion joints mastic pads must be provided at regular intervals.
- xii. The DPRES/EEs are requested to make a 'V' groove in transverse direction of CC Road at regular intervals and fill it with sealant at later stage.
- xiii. Providing of bell mouth at entrance of the road and extra width at turnings is mandatory.
- xiv. DPRES/EEs are requested to ensure laying of CC roads in the village where houses/huts are existing i.e., dwelling places

d) General:

- i) All unskilled wage payments will be met from MGNREGS funds

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- ii) All payments under the Project will go through eFMS only.
 - iii) The DPRE, PRED/Executive Engineer, TWED will raise separate FTOs for MGNREGS funds.
 - iv) The Social Audit process will be carried out as per MGNREG Act, as per procedure in vogue.
 - v) The Quality Control inspection of the works will be carried out by the Vigilance and Quality Control wing of PRED.
 - vi) Quality Control inspections are mandatory for release of payments.
 - vii) 90% of total recorded amount will be released on uploading of FTO, remaining 10% after QC inspection and Social Audit.
3. The Commissioner, Rural Development, Hyderabad shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

VIKAS RAJ
PRINCIPAL SECRETARY TO GOVERNMENT (FAC)

To
The Commissioner, Rural Development, Hyderabad.
The Engineer-in-Chief, Panchayat Raj, Hyderabad.
The District Collectors in the State of Telangana.
Copy to:
The Regional Officers, Panchayat Raj, in the State of Telangana.
The Pay and Accounts Officer, Hyderabad.
The District Treasury Officers, in Telangana State.
The PS to Hon'ble M (PR&RD).
SF/SC.

//FORWARDED BY ORDER//

SECTION OFFICER